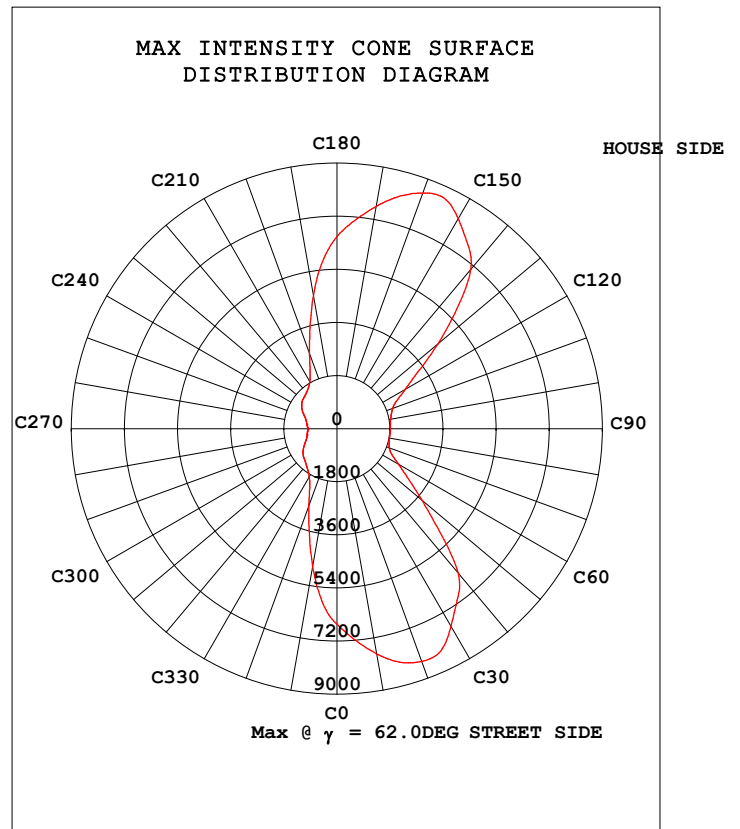
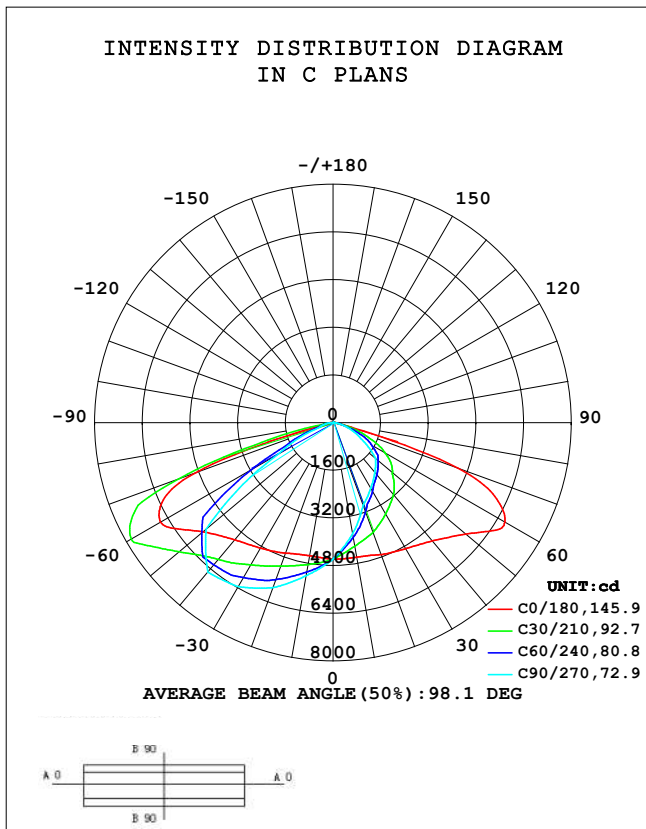


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:220.8V I:0.5669A P:122.6W PF:0.9794 Lamp Flux:18204.9x1 lm		
NAME: OPCITYIII-120W-4070-6C1T2S-70	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 148.49 lm/W			
MODEL	LED	Imax(cd)	8617	η street_up(%)	0.0
NOMINAL POWER(W)	120	LOR(%)	100.0	η street_down(%)	50.5
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	18205	η house_up(%)	0.0
NOMINAL FLUX(lm)	18204.9	MAXIMUM @ (C, γ)	155,62.0	η house_down(%)	49.5
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	18.397



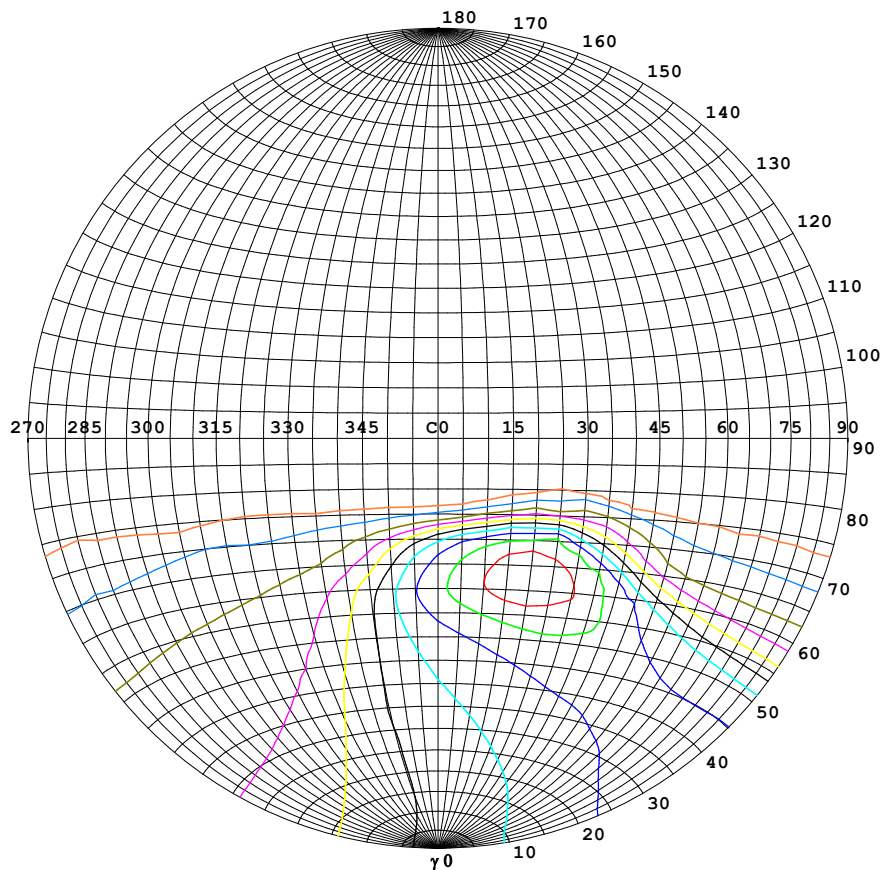
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

Note: SLI:Specific Luminaire Index

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:220.8V I:0.5669A P:122.6W PF:0.9794 Lamp Flux:18204.9x1 lm		
NAME: OPCITYIII-120W-4070-6C1T2S-70	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:



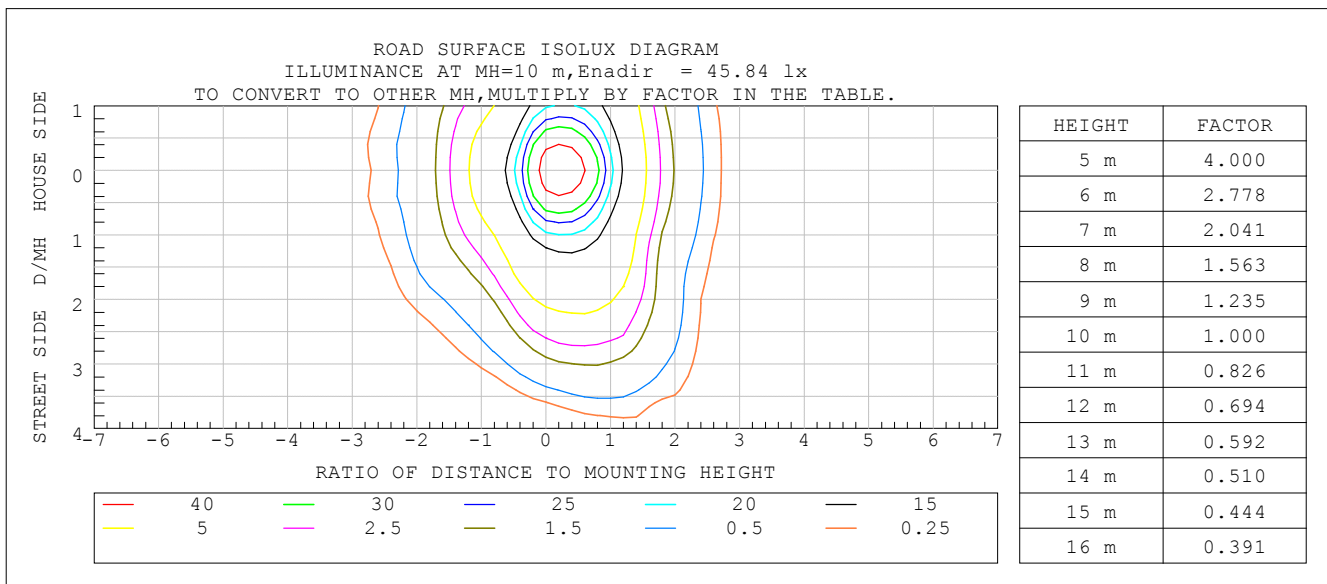
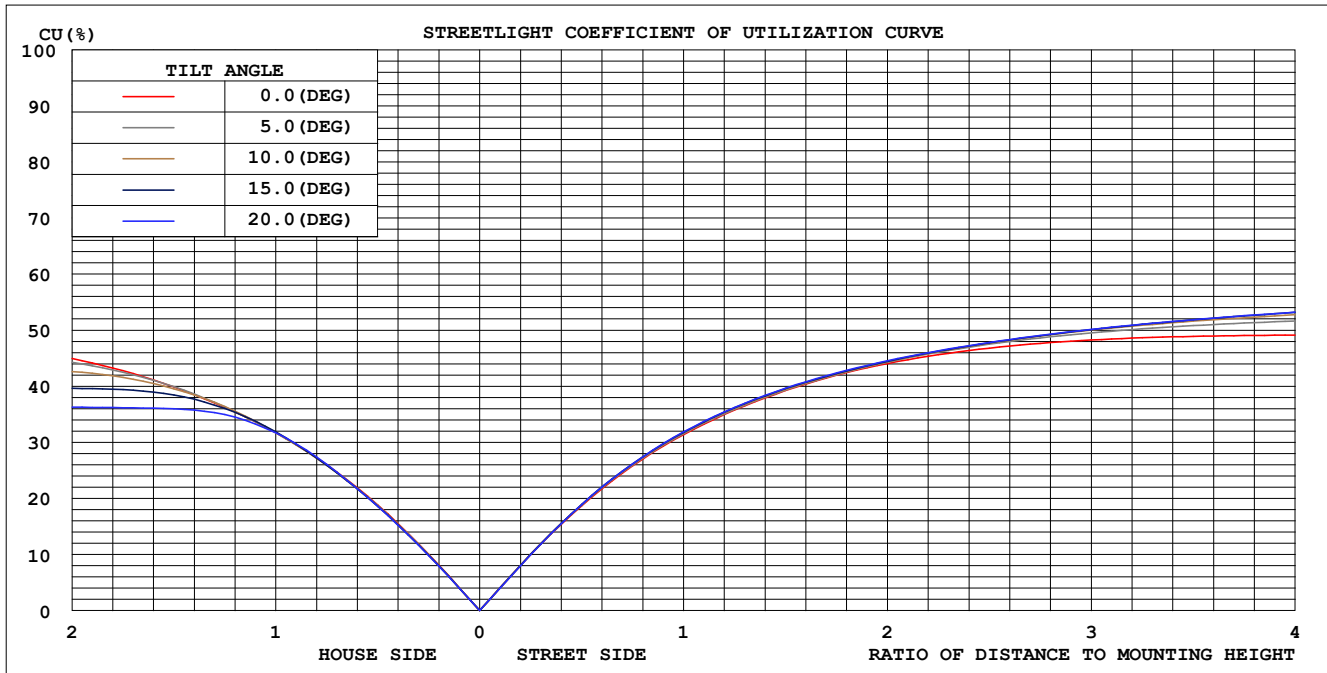
Classification:

IES:Type IV - Short
CIE:Broad - Intermediate
IES:Cut-off
CIE:Semi-cut-off
Max.At80:33.01cd/klm
Max.At90:3.893cd/klm
Max.80-90:33.01cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	8617
90%	7756
80%	6894
70%	6032
60%	5170
50%	4309
40%	3447
30%	2585
20%	1723
10%	862
5%	431

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-26

gamma Range: 0 - 90DEG
gamma Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-08-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity: 65.0%
Test Distance: 7.370m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:220.8V I:0.5669A P:122.6W PF:0.9794 Lamp Flux:18204.9x1 lm		
NAME: OPCITYIII-120W-4070-6C1T2S-70	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:

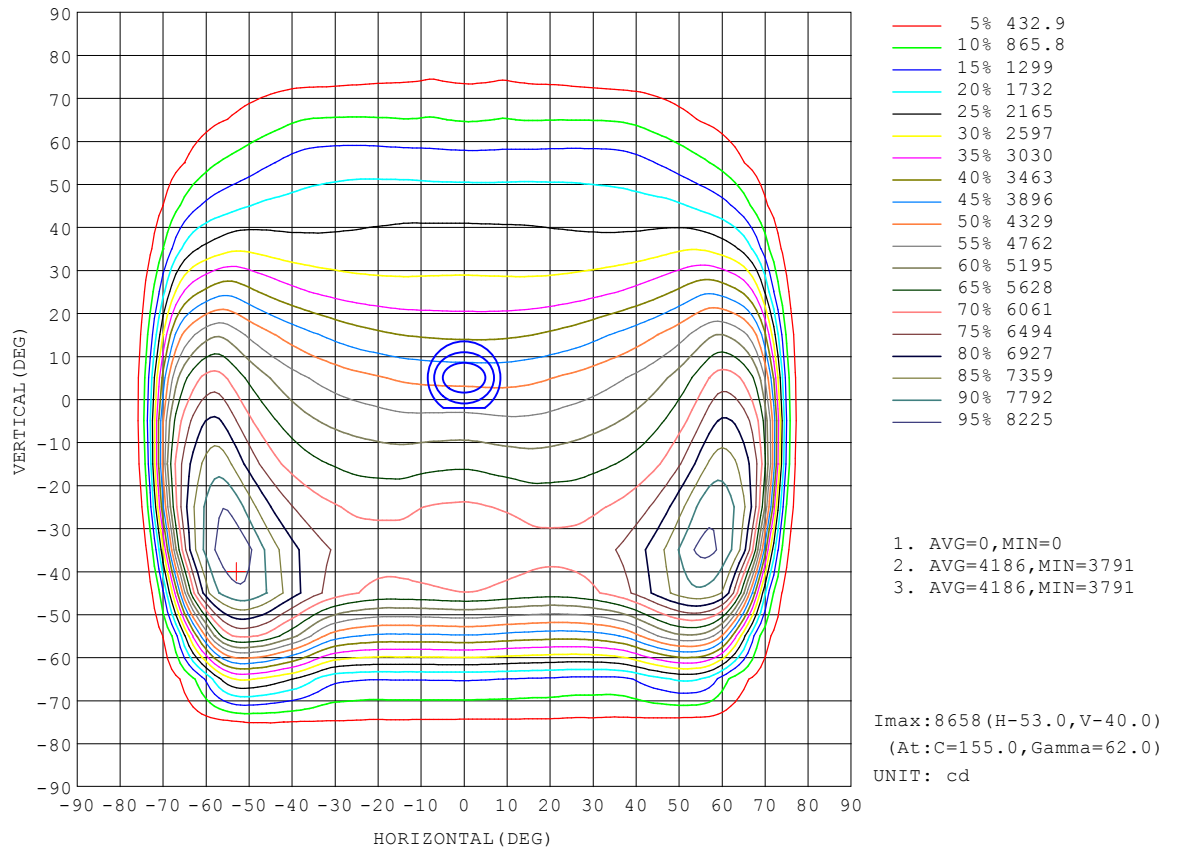
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	lum,lamp
5	4553	4786	4899	4808	4585	4308	4189	4290	0- 5	109.1	109.1	0.60,0.60
10	4536	4972	5214	5021	4588	4050	3794	4018	5- 10	324.4	433.5	2.38,2.38
15	4574	5161	5555	5221	4622	3801	3373	3775	10- 15	535.3	968.8	5.32,5.32
20	4664	5362	5896	5420	4714	3500	2952	3492	15- 20	741.5	1710	9.39,9.39
25	4765	5579	6128	5638	4796	3188	2746	3196	20- 25	942.8	2653	14.6,14.6
30	4867	5790	6360	5841	4885	2942	2539	2959	25- 30	1140	3793	20.8,20.8
35	4982	5980	6453	6031	5010	2710	2363	2727	30- 35	1331	5125	28.1,28.1
40	5138	6169	6547	6240	5186	2447	2188	2462	35- 40	1513	6638	36.5,36.5
45	5368	6336	6052	6445	5454	2293	2028	2295	40- 45	1679	8317	45.7,45.7
50	5707	6544	5558	6707	5822	2094	1869	2091	45- 50	1816	10133	55.7,55.7
55	6244	6264	3849	6625	6366	1899	1483	1896	50- 55	1910	12043	66.2,66.2
60	6685	5763	2139	6395	6663	1671	1098	1666	55- 60	1894	13937	76.6,76.6
65	6333	3611	1336	4742	6057	1366	837.4	1329	60- 65	1721	15658	86.86
70	4898	1905	533.0	2937	4461	940.0	577.1	886.2	65- 70	1394	17052	93.7,93.7
75	1019	627.0	370.8	922.7	795.9	478.4	350.5	427.7	70- 75	814.8	17867	98.1,98.1
80	198.3	285.5	208.7	391.2	169.9	234.4	123.8	205.1	75- 80	248.4	18115	99.5,99.5
85	102.7	70.19	0	79.47	72.58	44.74	0	38.28	80- 85	76.95	18192	99.9,99.9
90	70.86	0	0	0	58.52	0	0	0	85- 90	12.43	18205	100,100
95									90- 95			
100									95-100			
105									100-105			
110									105-110			
115									110-115			
120									115-120			
125									120-125			
130									125-130			
135									130-135			
140									135-140			
145									140-145			
150									145-150			
155									150-155			
160									155-160			
165									160-165			
170									165-170			
175									170-175			
180									175-180			
DEG	LUMINOUS INTENSITY:cd								UNIT:lm			

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-08-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
 Humidity:65.0%
 Test Distance:7.370m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

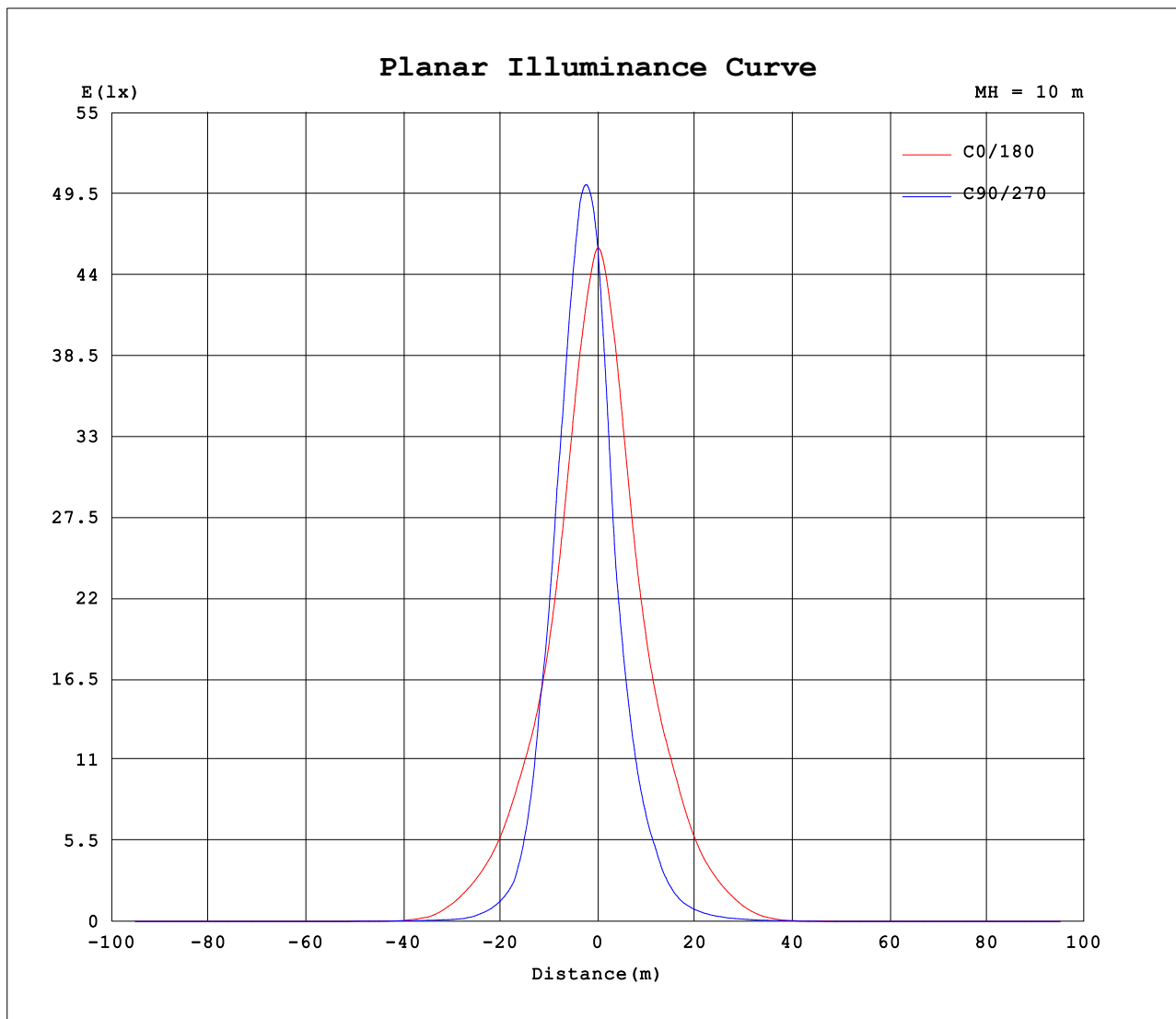
Test:U:220.8V I:0.5669A P:122.6W PF:0.9794 Lamp Flux:18204.9x1 lm		
NAME: OPCITYIII-120W-4070-6C1T2S-70	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

Planar Illuminance Curve



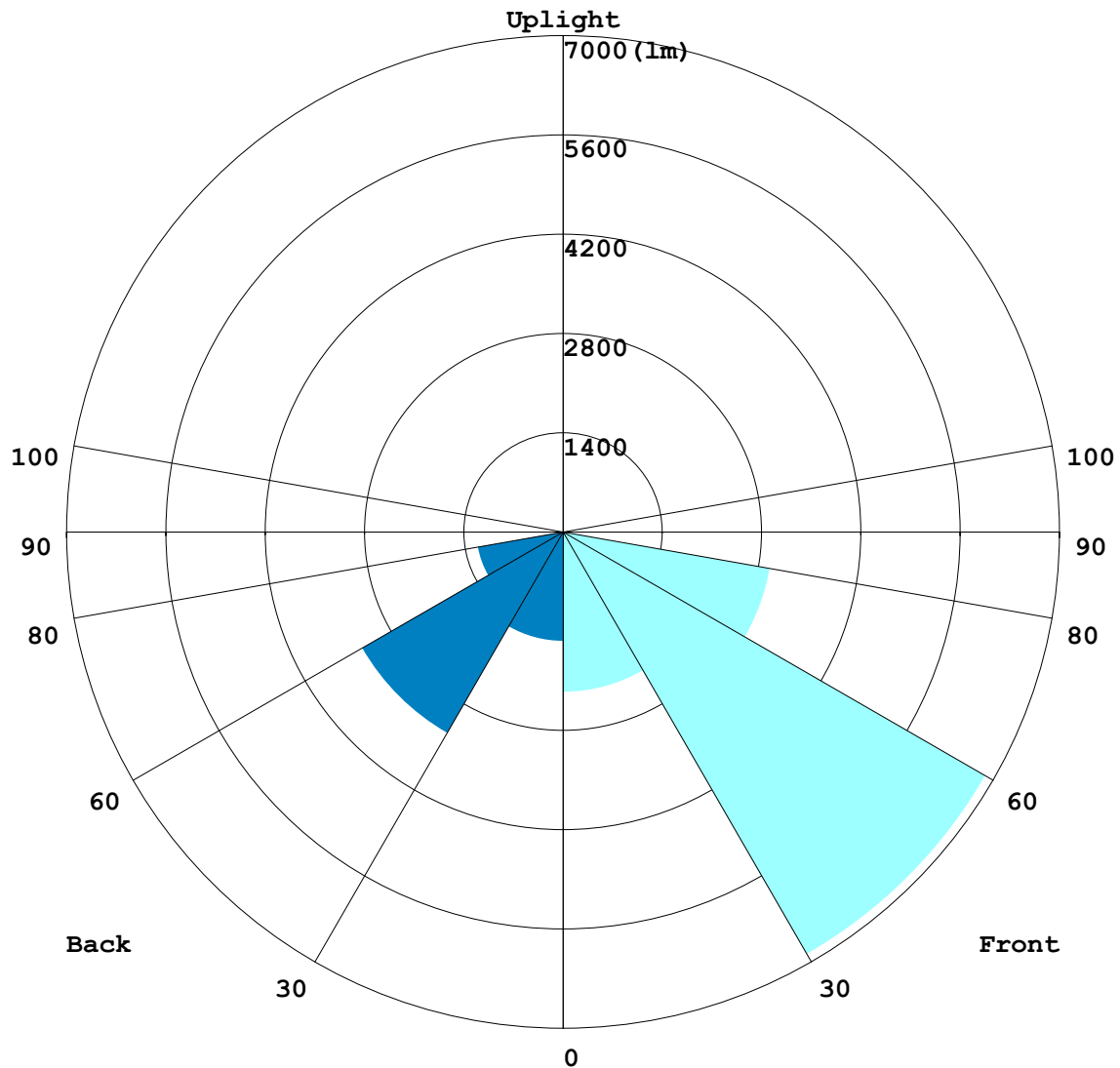
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-08-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity: 65.0%
Test Distance: 7.370m [K=1.0000]
Remarks:

LCS REPORT

Test:U:220.8V I:0.5669A P:122.6W PF:0.9794 Lamp Flux:18204.9x1 lm		
NAME: OPCITYIII-120W-4070-6C1T2S-70	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

BUG REPORT

Test:U:220.8V I:0.5669A P:122.6W PF:0.9794 Lamp Flux:18204.9x1 lm		
NAME: OPCITYIII-120W-4070-6C1T2S-70	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	2255.2	12.4
FM - Front-Medium(30-60)	6873.6	37.8
FH - Front-High(60-80)	2959.2	16.3
FVH - Front-Very High(80-90)	56.484	0.3
Total Forward Light	12144	66.7

BL - Back-Low(0-30)	1538.1	8.4
BM - Back-Medium(30-60)	3270	18.0
BH - Back-High(60-80)	1219.5	6.7
BVH - Back-Very High(80-90)	32.902	0.2
Total Back Light	6060.5	33.3

UL - Uplight-Low(90-100)	0	0.0
UH - Uplight-High(100-180)	0	0.0
Total Up Light	0	0.0

BUG(Back,Up,Glare) Rating	B3-U0-G3
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	6060.5	0	6060.5
Street Side	12144	0	12144

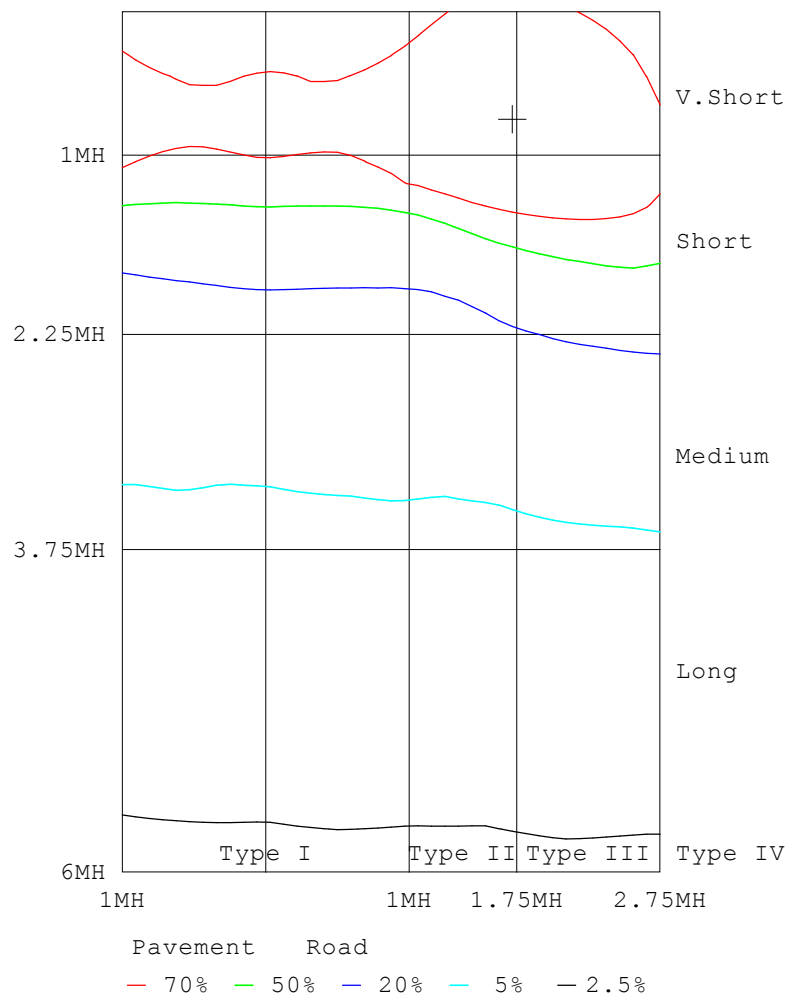
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-26

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

ROAD ISOCANDELA REPORT

Test:U:220.8V I:0.5669A P:122.6W PF:0.9794 Lamp Flux:18204.9x1 lm		
NAME: OPCITYIII-120W-4070-6C1T2S-70	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-26

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```